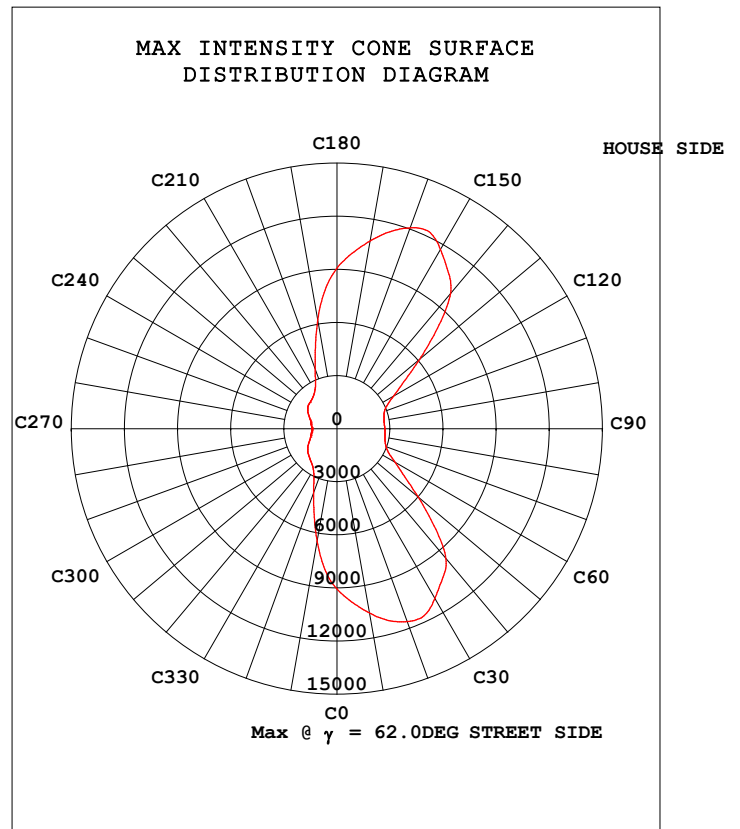
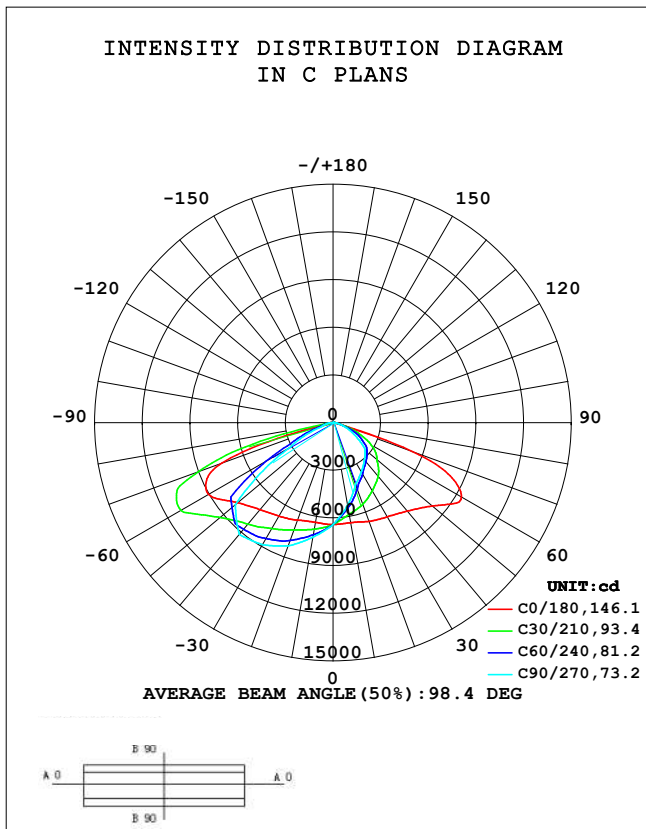


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.5V I:0.8396A P:181.2W PF:0.9786 Lamp Flux:25682.3x1 lm					
NAME: OPCITYIII-180W-4070-6C1T2S-70			TYPE:LED		WEIGHT:
SPEC.:			DIM.: 0.54X0.26X0.04		SERIAL No.:1
MFR.: LUXSUN			SUR.:0.18X0.22		Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 141.75 lm/W			
MODEL	LED	Imax (cd)	12286	$\eta$ street_up (%)	0.0
NOMINAL POWER (W)	180	LOR (%)	100.0	$\eta$ street_down (%)	51.4
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	25682	$\eta$ house_up (%)	0.0
NOMINAL FLUX (lm)	25682.3	MAXIMUM @ (C, $\gamma$ )	155,62.0	$\eta$ house_down (%)	48.6
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	SLI	19.133



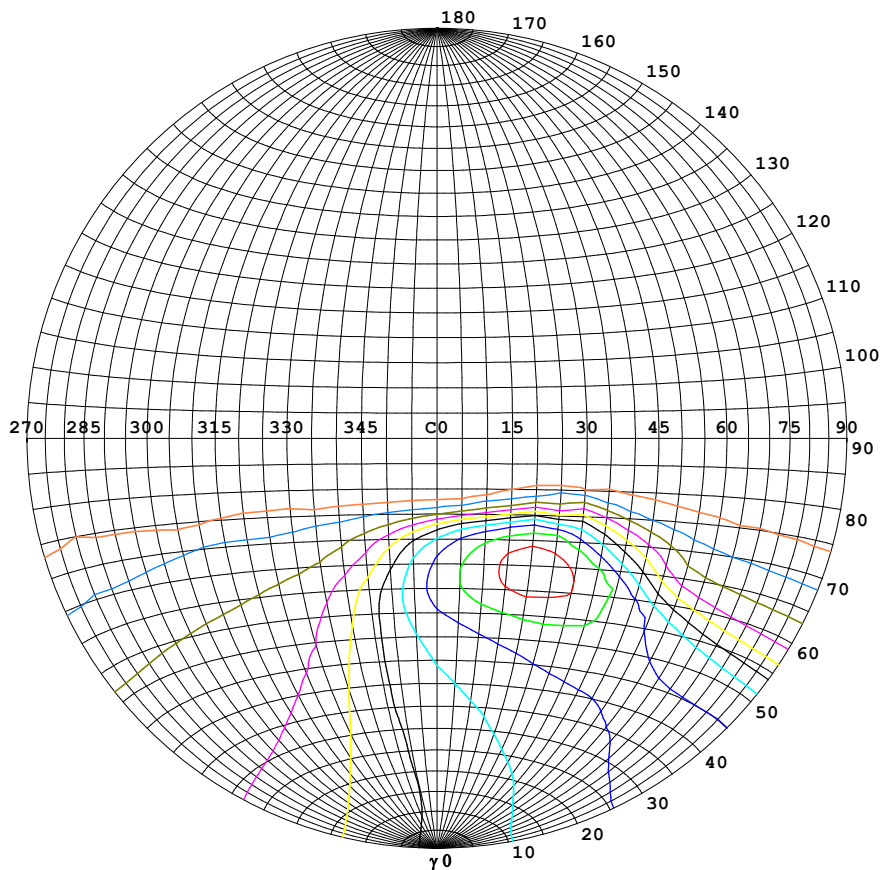
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

Note: SLI: Specific Luminaire Index

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.5V I:0.8396A P:181.2W PF:0.9786 Lamp Flux:25682.3x1 lm		
NAME: OPCITYIII-180W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:



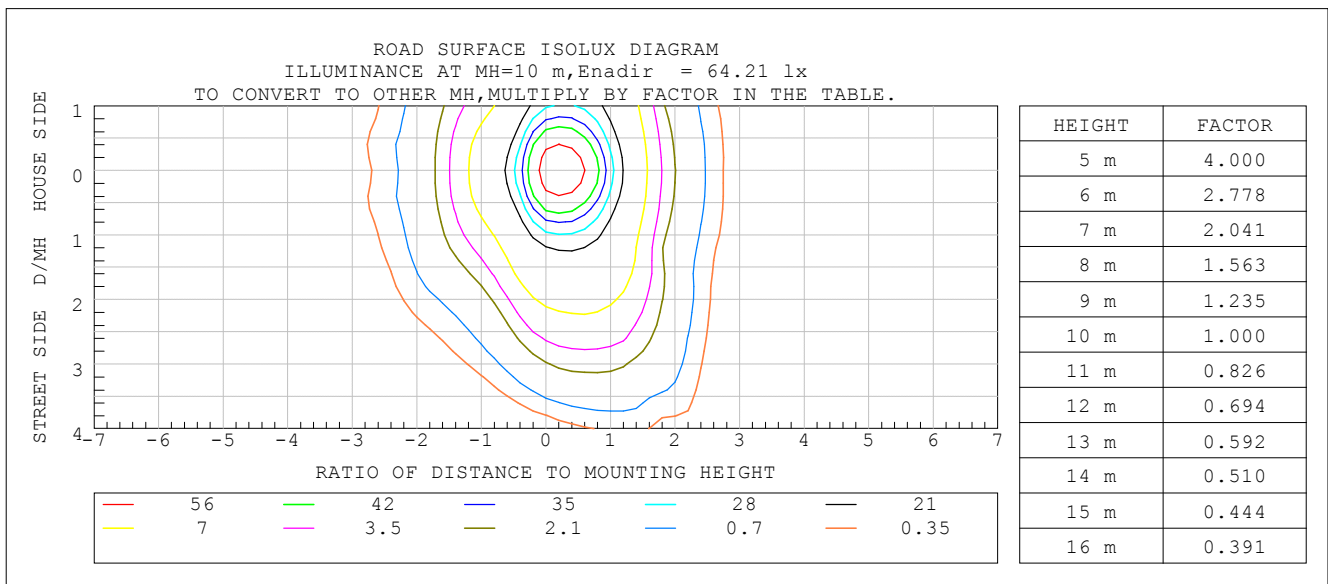
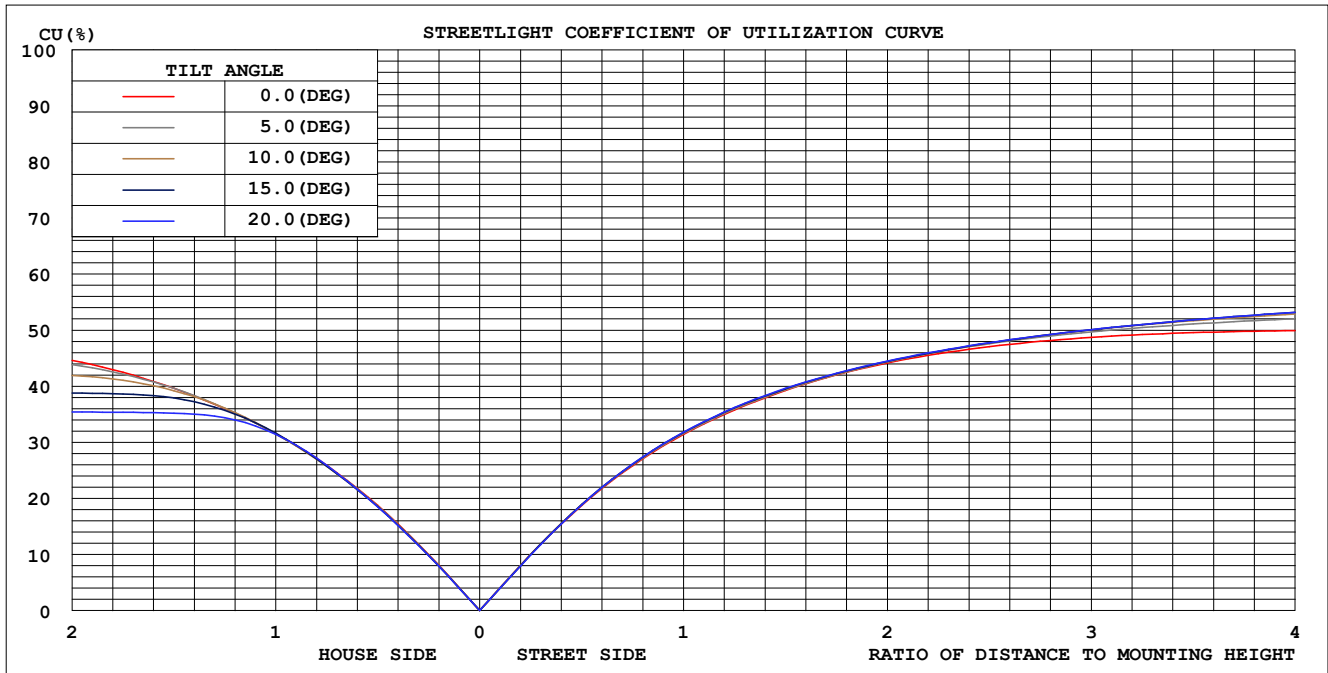
## Classification:

IES:Type IV - Short  
CIE:Broad - Intermediate  
IES:Cut-off  
CIE:Semi-cut-off  
Max.At80:38.28cd/klm  
Max.At90:3.873cd/klm  
Max.80-90:38.28cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	12286
90%	11057
80%	9829
70%	8600
60%	7372
50%	6143
40%	4914
30%	3686
20%	2457
10%	1229
5%	614

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-25

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

Test:U:220.5V I:0.8396A P:181.2W PF:0.9786 Lamp Flux:25682.3x1 lm		
NAME: OPCITYIII-180W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

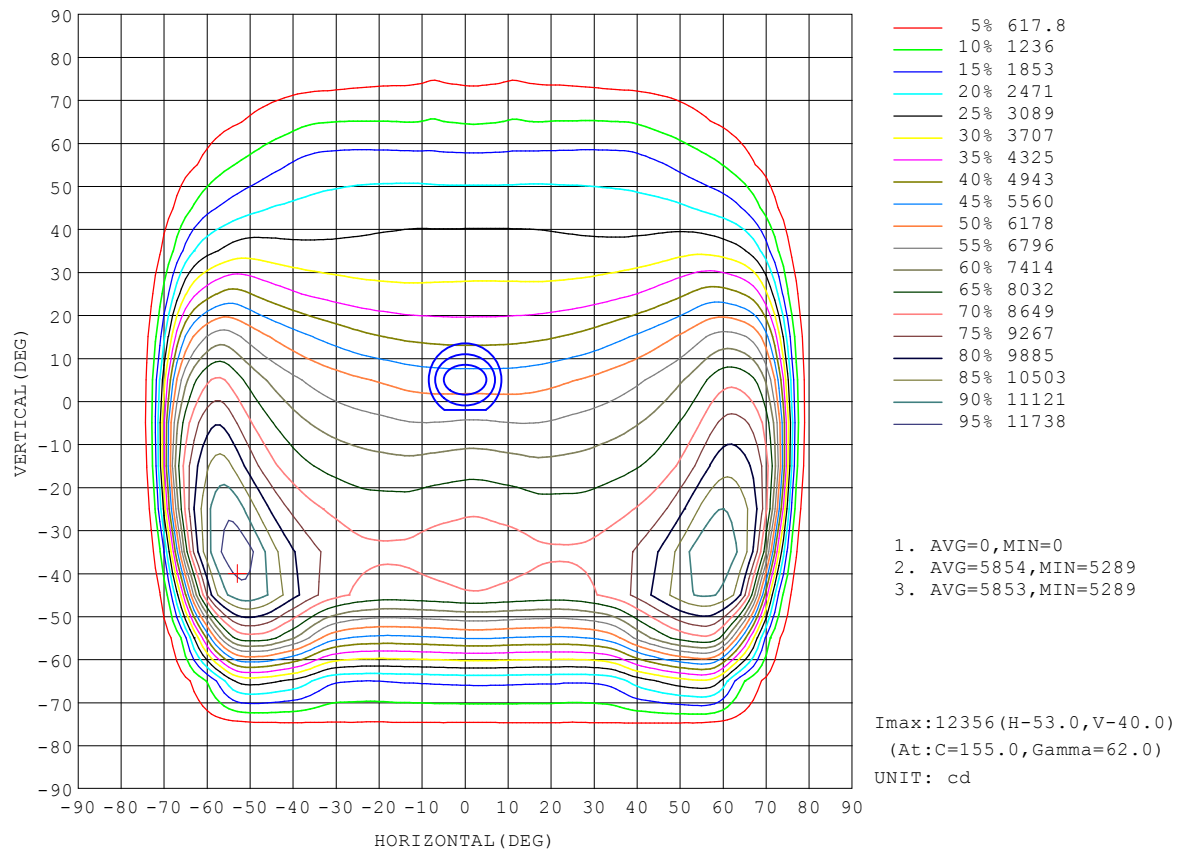
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	640.2	672.7	686.6	671.4	639.7	601.4	585.4	601.6	0- 5	152.8	152.8	0.59,0.59
10	637.8	700.0	731.2	699.3	640.1	564.1	528.8	562.4	5- 10	454.0	606.7	2.36,2.36
15	641.8	727.3	778.4	725.8	647.7	530.2	471.7	526.8	10- 15	748.9	1356	5.28,5.28
20	653.2	753.8	825.6	754.6	662.1	489.4	414.5	487.4	15- 20	1038	2394	9.32,9.32
25	667.3	781.5	856.5	787.0	673.0	447.0	386.3	445.4	20- 25	1320	3713	14.5,14.5
30	680.2	809.9	887.4	815.1	685.0	413.0	358.0	412.6	25- 30	1595	5309	20.7,20.7
35	695.4	834.9	903.1	840.7	702.2	380.9	333.0	382.1	30- 35	1862	7171	27.9,27.9
40	715.4	859.5	918.8	870.7	727.5	344.6	308.0	346.3	35- 40	2117	9288	36.2,36.2
45	744.6	885.4	860.8	900.2	764.3	322.0	286.4	323.6	40- 45	2351	11639	45.3,45.3
50	784.4	918.6	802.8	937.7	816.8	292.8	264.8	296.4	45- 50	2548	14187	55.2,55.2
55	848.2	903.6	561.2	928.2	895.8	264.5	210.8	269.5	50- 55	2685	16872	65.7,65.7
60	904.7	868.6	319.5	899.4	933.2	230.7	156.8	238.6	55- 60	2668	19540	76.1,76.1
65	881.6	635.6	200.4	652.8	828.6	185.8	118.0	196.0	60- 65	2440	21981	85.6,85.6
70	744.3	390.3	81.26	391.9	531.0	123.2	79.17	134.6	65- 70	1996	23977	93.4,93.4
75	234.8	118.6	55.97	115.4	65.99	59.06	50.12	65.53	70- 75	1196	25173	98,98
80	32.78	51.15	30.68	47.89	20.18	29.01	21.07	32.13	75- 80	379.3	25552	99.5,99.5
85	16.69	11.29	0	10.55	8.334	5.795	0	6.301	80- 85	112.8	25665	99.9,99.9
90	9.947	0	0	0	8.384	0	0	0	85- 90	17.55	25682	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:×10cd								UNIT:lm			

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-08-25

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:7.370m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

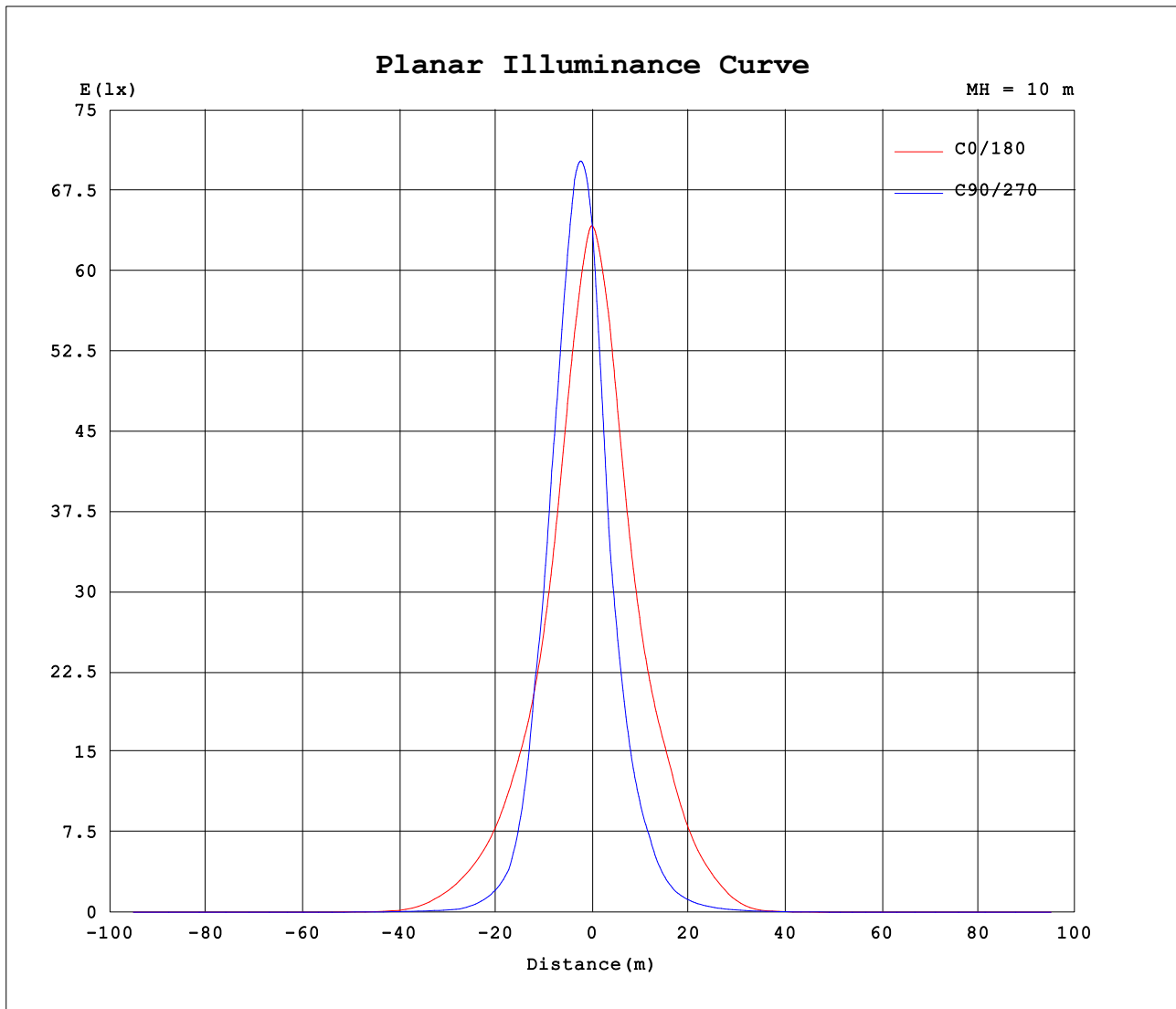
Test:U:220.5V I:0.8396A P:181.2W PF:0.9786 Lamp Flux:25682.3x1 lm		
NAME: OPCITYIII-180W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



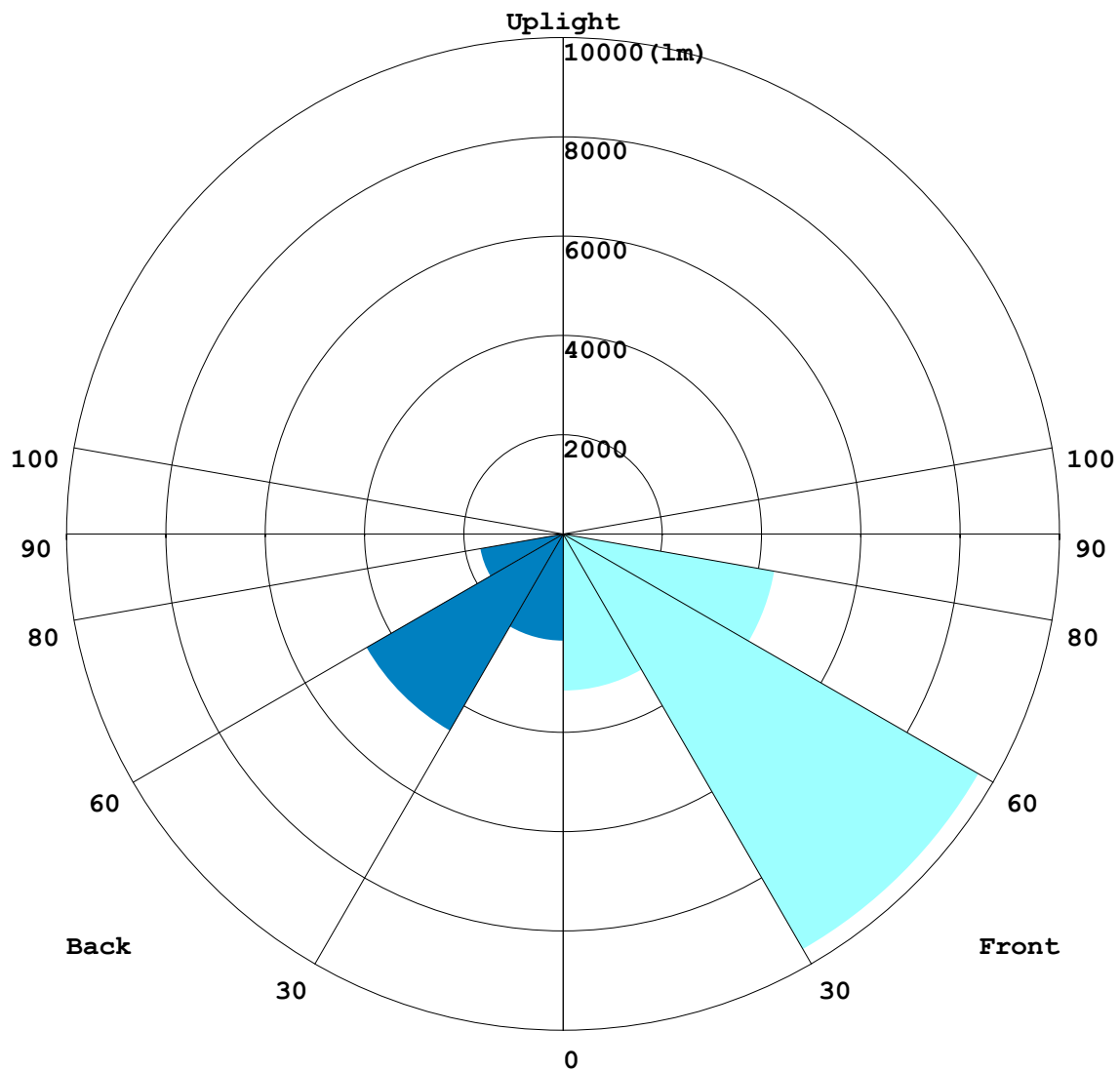
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

## LCS REPORT

Test:U:220.5V I:0.8396A P:181.2W PF:0.9786 Lamp Flux:25682.3x1 lm		
NAME: OPCITYIII-180W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

## LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

### BUG REPORT

Test:U:220.5V I:0.8396A P:181.2W PF:0.9786 Lamp Flux:25682.3x1 lm		
NAME: OPCITYIII-180W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	3156.5	12.3
FM - Front-Medium(30-60)	9661.6	37.6
FH - Front-High(60-80)	4321.9	16.8
FVH - Front-Very High(80-90)	82.446	0.3
Total Forward Light	17222	67.1

BL - Back-Low(0-30)	2152	8.4
BM - Back-Medium(30-60)	4570.1	17.8
BH - Back-High(60-80)	1689.8	6.6
BVH - Back-Very High(80-90)	47.908	0.2
Total Back Light	8459.9	32.9

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	8459.9	0	8459.9
Street Side	17222	0	17222

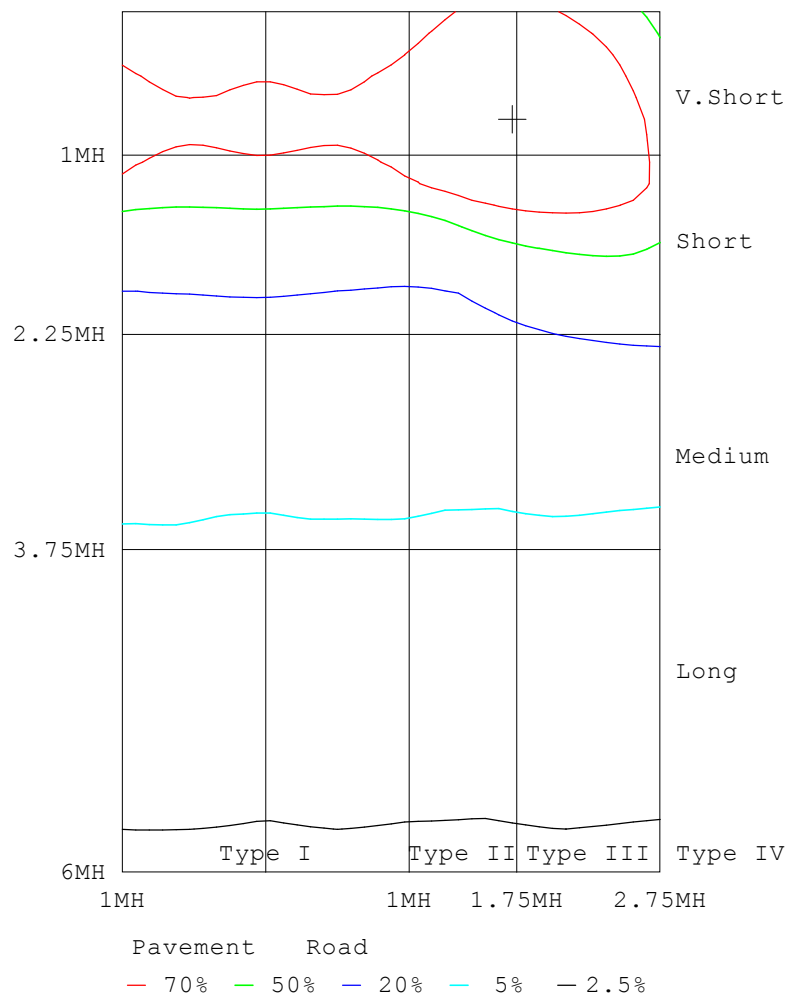
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-25

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

## ROAD ISOCANDELA REPORT

Test:U:220.5V I:0.8396A P:181.2W PF:0.9786 Lamp Flux:25682.3x1 lm		
NAME: OPCITYIII-180W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```